

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 April 2006 (06.04.2006)

PCT

(10) International Publication Number
WO 2006/035320 A3

(51) International Patent Classification:

C02F 1/50 (2006.01) *AOIN 37/36* (2006.01)
AOIN 59/00 (2006.01) *C02F 103/42* (2006.01)

KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(21) International Application Number:

PCT/IB2005/003665

(22) International Filing Date:

27 September 2005 (27.09.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/612,919 27 September 2004 (27.09.2004) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant and

(72) Inventor: DE RIJK, Jan [NLML]; Plesmanstraat 50, NL-3905 KZ Veenendaal (NL).

(88) Date of publication of the international search report:

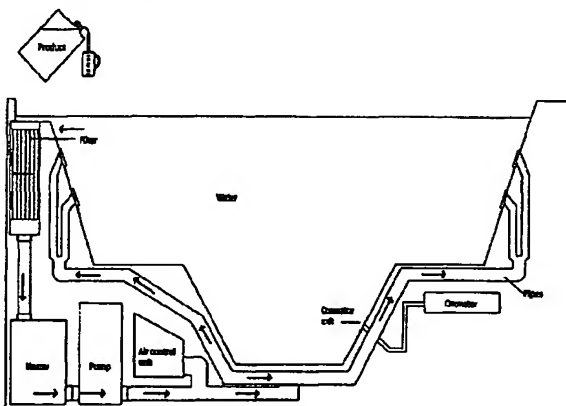
1 June 2006

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND COMPOSITIONS FOR TREATMENT OF WATER

FIG 1, is a cross-sectional view of a hot tub. The product has to be poured onto the water surface once a week.



(57) Abstract: The present invention relates to compositions and their use for the treatment of water. In one embodiment, the invention provides for a compositions and their use for the treatment of microorganisms. This invention also provides compositions and their use to provide clean water in an environmentally-friendly manner. In another embodiment, the invention provides for compositions and their use in combination with common equipment for controlling the growth of micro-organisms, such as with an ozonator or UV-C lamp, in a water system such as in hot tub or pool. Additionally, the specification describes methods and compositions for controlling the growth of microorganisms in an aqueous system. Using the methods and compositions, one treats an aqueous system with an amount effective to control the growth of at least one microorganism. Accordingly, several advantages of the invention are providing improved water treatment, providing environmentally-friendly treatment, providing a more user-friendly treatment, and providing water that is better for human health.



WO 2006/035320 A3